

ABSTRACT

Method and device for heightening communications security.

Gateway 3 receives packet P1 from caller terminal 1a, and creates
and transmits to receiver terminal 1b packet P2, in which

5 destination IP address, source IP address, destination port,
source port, and session ID for packet P1 are rewritten. Gateway
3 also receives packet P3 from receiver terminal 1b, and creates
and transmits to caller terminal 1a packet P4, in which
destination IP address, source IP address, destination port,
10 source port, and session ID for packet P3 are rewritten. Because
communications between every terminal are identifiable
according to session ID, a plurality of communications through
the same port may be supported, which is favorable security-
wise.